

# Weekly Metrics for September 12 - 18, 2004

Mission (Launch Date)	Instrument	Category	Data Center	RQMTS (GB)	Requirements * Multiplier	Actual (GB)	Footnote
Aura (7/04)	HIRDLS	L0 Ingest	GES DAAC	6	1x Baseline	5	S
		L1 Prod	GES DAAC	5	1x Baseline	0	
		Archive	GES DAAC	11	1x Baseline	5	
	MLS	L0 Ingest	GES DAAC	8	1x Baseline	7	S
		L1 Prod	GES DAAC	26	1x Baseline	0	
		Archive	GES DAAC	34	1x Baseline	7	
	OMI	L0 Ingest	GES DAAC	57	1x Baseline	64	S
		L1 Prod	GES DAAC	152	1x Baseline	89	
		Archive	GES DAAC	209	1x Baseline	154	
	TES	L0 Ingest	GES DAAC	231	1x Baseline	19	T
		L1 Prod	GES DAAC	210	1x Baseline	0	T
		Archive	GES DAAC	241	1x Baseline	19	T
SORCE (1/03)	TIM/SIM/ SOLSTICE/ XPS	L0 Ingest	GES DAAC	0.9	1x Baseline	0.8	
		Archive	GES DAAC	0.9	1x Baseline	0.8	
ICESat (1/03)	GLAS	L0 Ingest	NSIDC	41	1x Baseline	37	H
		L1 Prod	NSIDC	115	1x Baseline	0	H
		L2-3 Prod	NSIDC	43	1x Baseline	0	H
		Archive	NSIDC	199		37	H
		Distribution	NSIDC				
		End Users Data Pool		166	Various	3 0	G, N R
Aqua (5/02)	AIRS/ AMSU/ HSB	L0 Ingest	GES DAAC	98	1x Baseline	91	A
		L1 Prod	GES DAAC	1,211	Various	318	
		L2 - 3 Prod	GES DAAC	213	3.045x Baseline	73	
		Archive	GES DAAC	1,522	Various	483	A
		Distribution	GES DAAC				
		Testing/QA		99		136	
		Production				93	
		End users Data Pool		471	Various	93 67	G, N R
	AMSR-E	L0 Ingest	NSIDC	10	1x Baseline	6	B
		L1 Ingest	NSIDC	28	Various	8	B
		L2-L3 Prod	GHRC	77	3.045x Baseline	49	C
		Archive	NSIDC	114	Baseline	63	C
		Distribution	NSIDC				
		Production				12	
		End Users Data Pool		35	1.015x Baseline	21 16	G, N R
	CERES	Archive	ASDC	496	Various	TBD	See Footnote Q
		Distribution Testing/QA End Users	ASDC	1,421 109	IT Requirements 1.015x Baseline	TBD TBD	
	MODIS	L0 Ingest	GES DAAC	518	1x Baseline	511	M L, M, P
		L1 Prod	GES DAAC	7,569	Various	2,844	
		L2-L4 Prod	MODAPS	12,789	3.045x Baseline	4,591	
		Archive	LP DAAC	7,034	Various	2,844	L, M, P M, P
			GES DAAC	12,989	Various	9,208	
			NSIDC	853	Various	253	
		Distribution	LP DAAC				
		Testing/QA End User Data Pool		23 2,345	IT Requirements 1.015x Baseline	0 1,452 18	G, N R

		Distribution <i>Testing/QA</i> <i>Production</i> <i>End Users</i> <i>Data Pool</i> Distribution <i>End User</i> <i>Data Pool</i>	GES DAAC   NSIDC	362 4,157 284	IT Requirements 1.015x Baseline 1.015x Baseline	753 7,471 1,070 95 19 0	 G, N R  G, N R
METEOR 3M (12/01)	SAGE III	Archive Distribution <i>Production</i> <i>End Users</i>	ASDC ASDC	0.9  0.02	Various 1.015x Baseline	6 0 2	D  G, N
ACRIMSAT (12/99)	ACRIM 3	Archive	ASDC	1	1x Baseline	0	D
Terra (12/99)	ASTER	L1A Ingest	LP DAAC	680	1x Baseline	318	E
		L1B Ingest	LP DAAC	271	1.015x Baseline	63	E
		L1B Archive	LP DAAC	271	1.015x Baseline	64	E
		L2-L3 Prod	LP DAAC	1,221	3.045x Baseline	206	E
		Archive	LP DAAC	2,173	Various	591	E
		Distribution <i>Production</i> <i>End Users</i> <i>Data Pool</i>	LP DAAC	1,221	1.015x Baseline	150 172 22	G, N R
	CERES	Archive	ASDC	357	Various	TBD	See Footnote Q
		Distribution <i>Testing/QA</i> <i>End Users</i>	ASDC	1,421 119	IT Requirements 1.015x Baseline	TBD TBD	
	MISR	L0 Ingest	ASDC	249	1x Baseline	249	G, N R
		L1 Prod	ASDC	3,359	Various	3,436	
		L2-L3 Prod	ASDC	285	3.045x Baseline	279	
		Archive	ASDC	3,894	Various	3,965	
	MODIS	Distribution <i>Testing/QA</i> <i>Production</i> <i>End Users</i> <i>Data Pool</i>	ASDC	137	IT Requirements	339 347	L, M, P M, P L, M, P M, P  G, N R  G, N R  G, N R
				1,215	1.015x Baseline	508 2	
		L0 Ingest	GES DAAC	518	1x Baseline	553	
		L1 Prod	GES DAAC	7,570	Various	8,820	
		L2-L4 Prod	MODAPS	12,789	3.045x Baseline	4,285	
		Archive	LP DAAC	7,034	Various (L2-L4)	3,025	
			GES DAAC	12,990	Various (L0-L4)	10,483	
			NSIDC	853	Various (L2-L3)	164	
			LP DAAC	23	IT Requirements	0	
				2,345	1.015x Baseline	12,832 603	
		Distribution <i>Testing/QA</i> <i>Production</i> <i>End users</i> <i>Data Pool</i> Distribution <i>End Users</i> <i>Data Pool</i>	GES DAAC   NSIDC	362 4,157 284	IT Requirements 1.015x Baseline 1.015x Baseline	853 9,532 2,210 49 33 0	
	MOPITT	L0 Ingest	ASDC	2	1x Baseline	2	I I I
		L1 Prod	SIPS	2	Various	3	
		L2 Prod	SIPS	2	3.045x Baseline	4	
		Archive	ASDC	6	Various	9	
		Distribution	ASDC				

		<i>Production End Users Data Pool</i>		1	1.015x Baseline	0.4 46 8	G, N R
ADEOS-II (12/02)	SeaWinds	Archive (L0+) Distribution	PO DAAC PO DAAC			0 0	O
Jason-1 (12/01)	Poseidon 2	Archive (L0+) Distribution	PO DAAC PO DAAC	NA	NA	8 22	J
QuikScat (6/99)	SeaWinds	Archive (L0+) Distribution	PO DAAC PO DAAC	109	Weekly Average	46 480	J
TOPEX (8/92)	Poseidon	Archive (L1+) Distribution	PO DAAC PO DAAC	24	Weekly Average	0 9	J
Other Missions	Various Instruments	Archive (L2+) Distribution	PO DAAC PO DAAC	NA	NA	35 194	K

Notes:

- A. Represents regular forward production only. No reprocessing was done, since current phase of major reprocessing was completed on June 20.
- B. The actual L0 data rate from AMSR-E is 6.6 GB/week. This is lower than ESDIS baseline requirement. Updating of the baselined requirements is in process. L1 products are processed in Japan and sent to the US.
- C. Includes forward processing of current data (September 7 - 13) and reprocessing (September/October 2003).
- D. Data from this instrument is not transmitted to DAAC daily.
- E. Volumes of ASTER L1A and L1B products are a function of production at ERSDAC in Japan. L1A and L1B volumes include the expedited data sets generated at LP DAAC. ASTER L2 products are produced on demand, and the actual volumes may be significantly different from requirements. In June 2003, LPDAAC started to generate L1B products from L1A ingested. The total archive volume includes L1B products generated at LP DAAC.
- F. Includes forward and reprocessing.
- G. Distribution requirements represent the delivered capacity for distribution. Because distribution is based on user orders, the actual distribution volumes may be significantly different from the available capacity.
- H. Since November 19, 2003, GLAS laser operates during intermittent observing periods to conserve laser power. Only the raw data product is delivered on a daily basis to the DAAC.
- I. Archival volumes for MOPII L1-L2 at LaRC products are dependent on MOPITT SIPS production schedule.
- J. Distribution requirements are weekly averages of media distribution volumes based on subscriptions for a full year.
- K. Includes distribution of educational materials.
- L. Actual volume does not include the MODIS ocean color products processed at SeaDAS (SeaWIFS Data Analysis System).
- M. Very little or no reprocessing was done.
- N. Does not include the distribution by data pool.
- O. Currently distribution of ADEOS-II data is limited to the instrument team members for calibration/validation purposes.
- P. Ingest/archival of MODIS L2+ products are dependent on MODAPS processing schedule. Values reported here represent what have been archived at DAACs. MODAPS production volume could be different.
- Q. No information is available.
- R. Total amount of data distributed through Data Pool. Due to unavailability of user characteristics information, further breakdown by user category (e.g., data producers, end users) is not possible at this time.
- S. No higher level (L2+) product has been generated yet.
- T. No science data will be generated until instrument checkout is completed.

\* Baseline requirements refer to the May 2003 EOSDIS technical baseline. The QA requirements for distribution are the Level 2 requirements based on inputs from instrument teams (ITs). The requirements multipliers are ramp-up factors to account for forward processing and reprocessing. They varies, depending on processing level and launch date. Ramp-up factors used in this table are:

Processing Level	1 <sup>st</sup> year after launch	2 <sup>nd</sup> year	Launch+2 or more year
L0	1	1	1
L1A	1	2	3
L1B	1.015	2x1.015	3x1.015
L2-4	0.5*1.015	1.5*1.015	3*1.015

Please note that browse data volumes for L1B-L4 products are assumed to be 1.5% of product volumes.